CRUISE ANNOUNCEMENT

VESSEL: NOAA Vessel *David Starr Jordan*

CRUISE DATES: July 5 - July 23, 2005.

PROJECT: Shark abundance survey: Fisheries Resources Division

ITINERARY: Leg I: Depart San Diego, California at 0800 on July 5, 2005 and proceed to predetermined sampling grounds off southern California. One to three longline operations will be conducted daily to survey primary and alternate longline sites for mako (*Isurus oxyrinchus*) and blue sharks (*Prionace glauca)*. The ship will return to MARFAC after operations on the evening of July 15 to exchange scientific crew.

Leg II: Depart San Diego July 16 at 0800 and reoccupy the primary longline sampling sites. Once the primary longline sites have been occupied, sets will be performed at alternate sampling sites as time permits. The ship will return to MARFAC in the evening of July 23, 2005.

OBJECTIVES: 1) Conduct the juvenile shark abundance survey, occupying each of the standard 7 stations twice and the alternate stations as time permits. 2) Tag and release healthy sharks with conventional tags, OTC, and satellite archival tags for age and growth validation and environmental dynamics information**.** 3) Collect biological samples including reproductive, muscle and heart tissue, stomach contents and whole specimens. 4) Record species captured and size to determine distribution by size and area.

PROCEDURES: Legs I and II: Longline sampling operations will begin when the ship reaches the first fishing station in CDFG Block 846 at approximately 32°55' N 117°55' W. At each shark longline sampling site, two regularly scheduled fishing sets will be conducted during day light hours (see station locations on attached map). The shark longline consists of approximately 200 hooks and gangions attached to a stainless steel main line wire two miles in length**.** Each hook will be baited with mackerel. The soak time for each set will last approximately 4 hours. Occasional fishing/sampling sets will be conducted with a 1-mile monofilament line to sample common thresher sharks. Sharks will be tagged with conventional spaghetti tags, satellite transmitting tags and tetracycline.

EQUIPMENT: 1. Supplied by scientific party:

Standard stainless steel longline gear 2 miles in length, leaders and hooks.
70 cases frozen bait (freezer space required)
Sampling and tagging supplies
Shark tagging platform
400 gallon transport tank
Bait tank
Temperature and depth recorders
Photographic and video equipment

2. Supplied by R/V *David Starr Jordan*

Trawl drum, longline fair–lead, necessary blocks and capstan for deploying and retrieving longline
Freezer space for 70 cases of bait
Work boat as needed

MISCELLANEOUS:

1. The disposal of fish and squid caught will be in accordance with NOAA Administrative order 202-735B dated January 25, 1989.

2. The Cruise Leaders will hold a pre-cruise meeting aboard the vessel before departure and a post-cruise meeting upon completion. An inspection will be made of scientific working and berthing spaces by the Commanding Officer or his designated representative at the completion of the cruise. The scientific party is responsible for the condition and cleanliness of spaces assigned to the scientific party.

3. NOAA Fleet Medical Policy requires that scientific personnel embarking on NOAA vessels complete NOAA Health Services Questionnaire, Appendix H.

4. The Chief Scientist shall be responsible for complying with MOCDOC 15, Fleet Environmental Compliance #07, Hazardous Material and Hazardous Waste Management Requirements for Visiting Scientists, released July 2002. By Federal regulations and NOAA Marine and Aviation Operations policy, the ship may not sail without a complete inventory of all hazardous materials by name and the anticipated quantity brought aboard, MSDS and appropriate neutralizing agents, buffers, and/or absorbents in amounts adequate to address spills of a size equal to the amount of chemicals brought aboard and a chemical hygiene plan. The amount of hazardous material arriving and leaving the vessel shall be accounted for by the Chief Scientist.

PERSONNEL:

Leg I:	Russ Vetter, Chief Scientist	SWFSC
	Rand Rasmussen, Cruise leader	SWFSC
	Sean Suk	SWFSC
	Jonathan Sandoval Castillo	CICESE
	Megan McKinzie	MML
	Traci De La Torri	CSULB
	Heather Gliniak	CSULB
	Frank Neilsen	
	Brian Goode	SDU
	Ann Colman	MBA
	Natalie Spear	UCB
	Marlon Roman	IATTC
Leg II:	Darlene Ramon, Chief Scientist	SWFSC
	Rand Rasmussen, Cruise leader	SWFSC
	Sean Suk	SWFSC
	Jennifer Chong Robles	CICESE

Rachel Graham	
Megan McKinzie	MML
Traci De La Torri	CSULB
Kate Siegfried	UCSC
Laura Jordan	UCLA
Anne Allen	SWFSC
Christina Show	SWFSC

Watch Hours: 0600-1900 Overtime 630 hrs

SWFSC personnel authorized per diem at the rate of $2.00 per day to be paid via the Imprest Fund on a Travel Roll Voucher at the termination of the cruise.

Night differential: 1800-0600 0 hours (Authorized total for all NMFS personnel)

Date: _____ Prepared by: _____
Dave Holts and Darlene Ramon

Approved by: _____
Bill Fox
Science Director

Juvenile Shark Survey 1994 - 2003